

Fig. 1

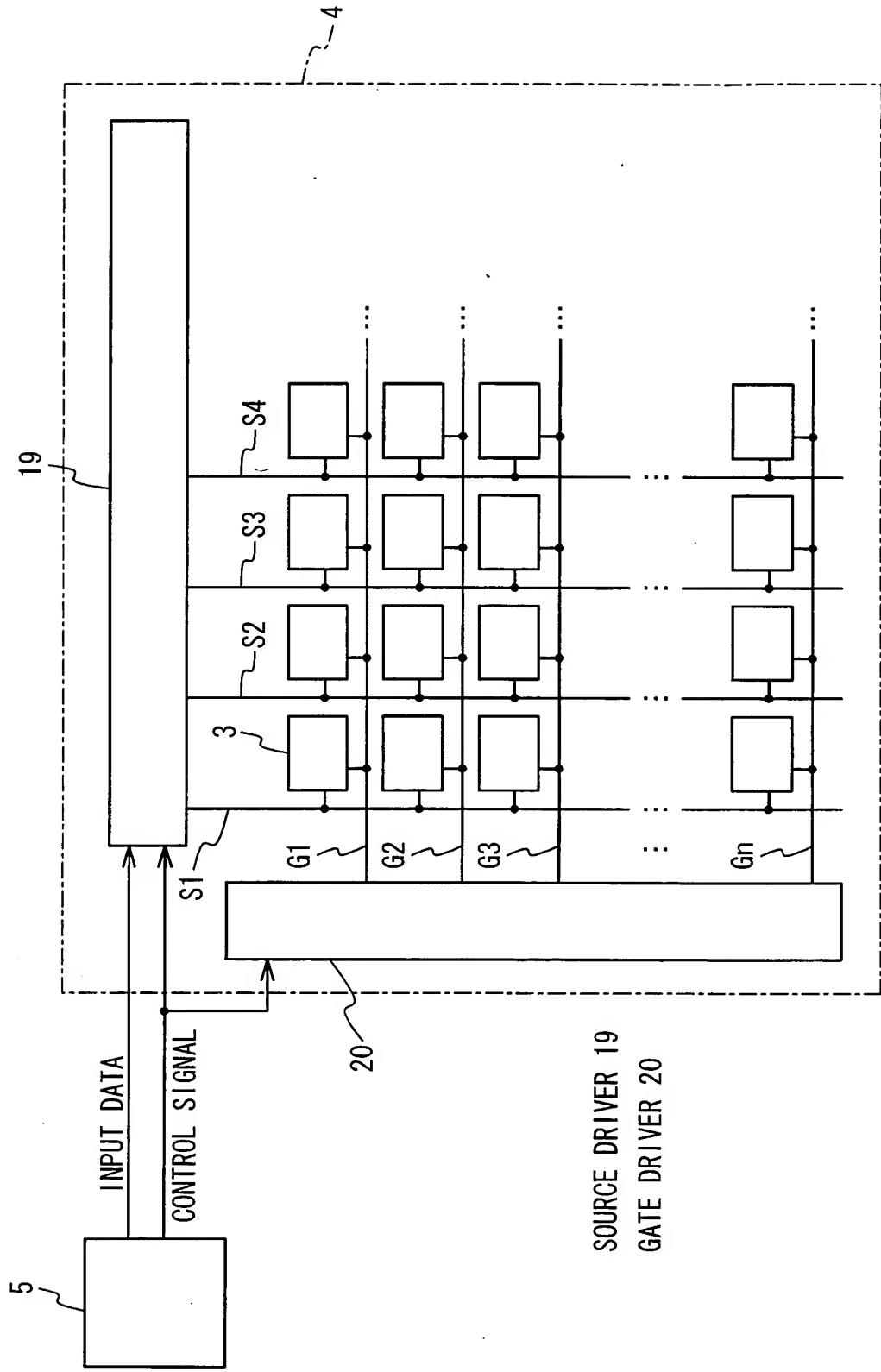


Fig. 2

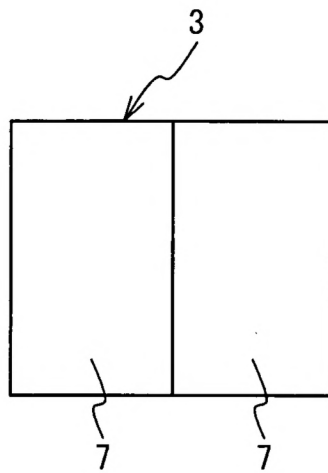


Fig. 3A

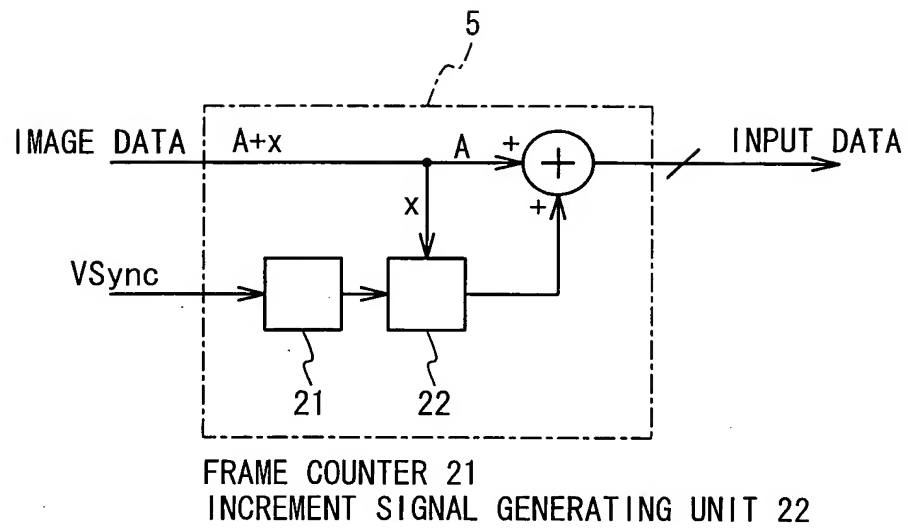


Fig. 3B

INPUT DATA				
DESIRED GRADATION	1ST FRAME	2ND FRAME	3RD FRAME	4TH FRAME
A	A	A	A	A
$A+0.25$	$A+1$	A	A	A
$A+0.5$	$A+1$	A	$A+1$	A
$A+0.75$	$A+1$	$A+1$	$A+1$	A

Fig. 4A

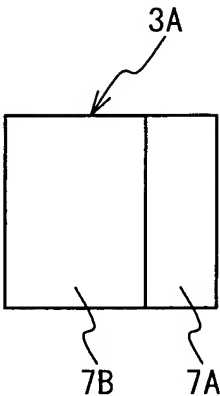


Fig. 4B

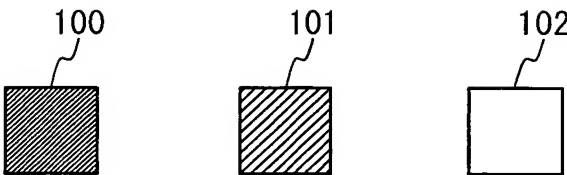


Fig. 4C

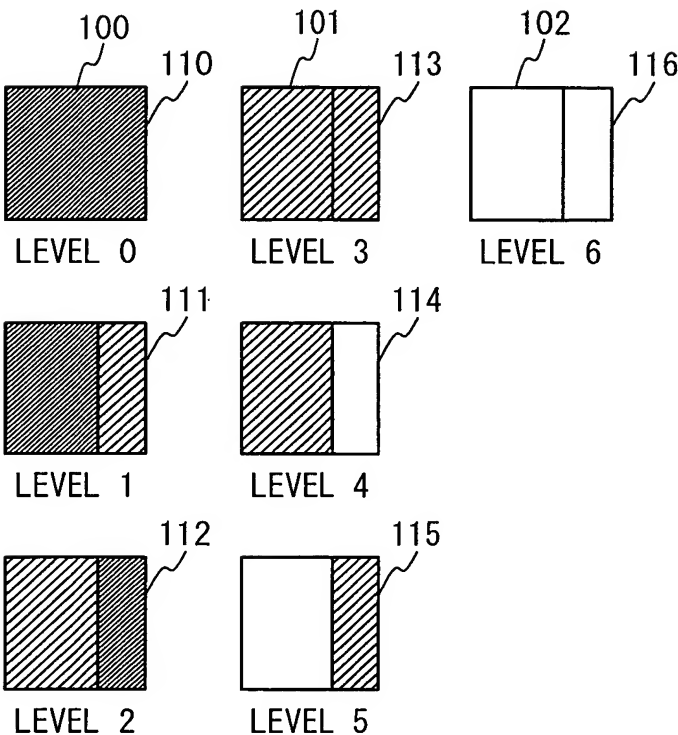


Fig. 5

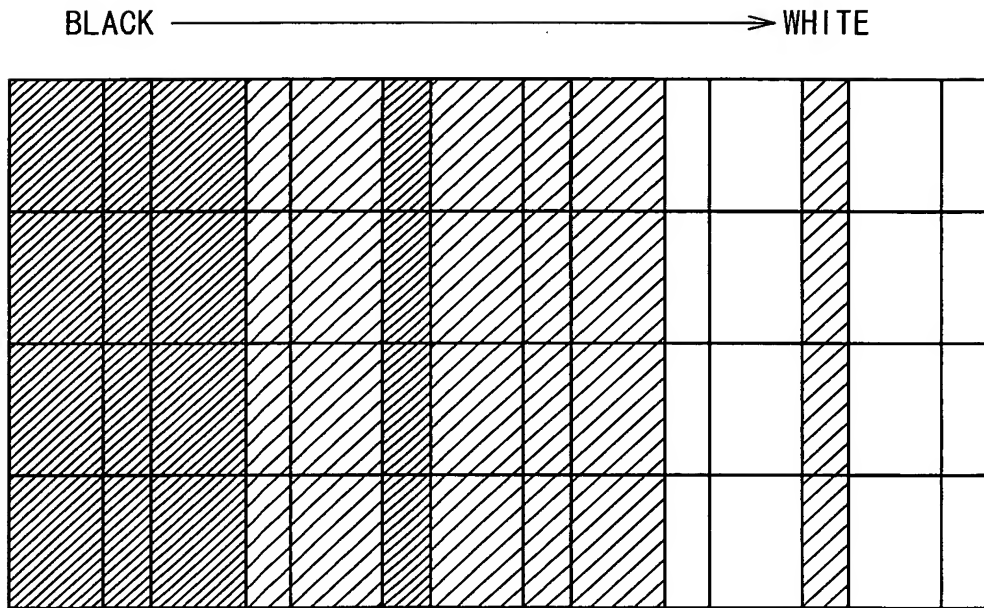


Fig. 6A Fig. 6B

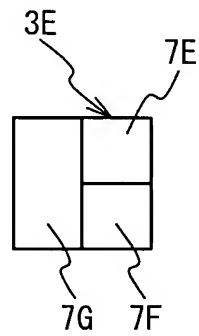
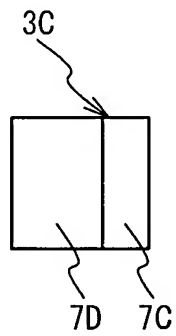


Fig. 7A

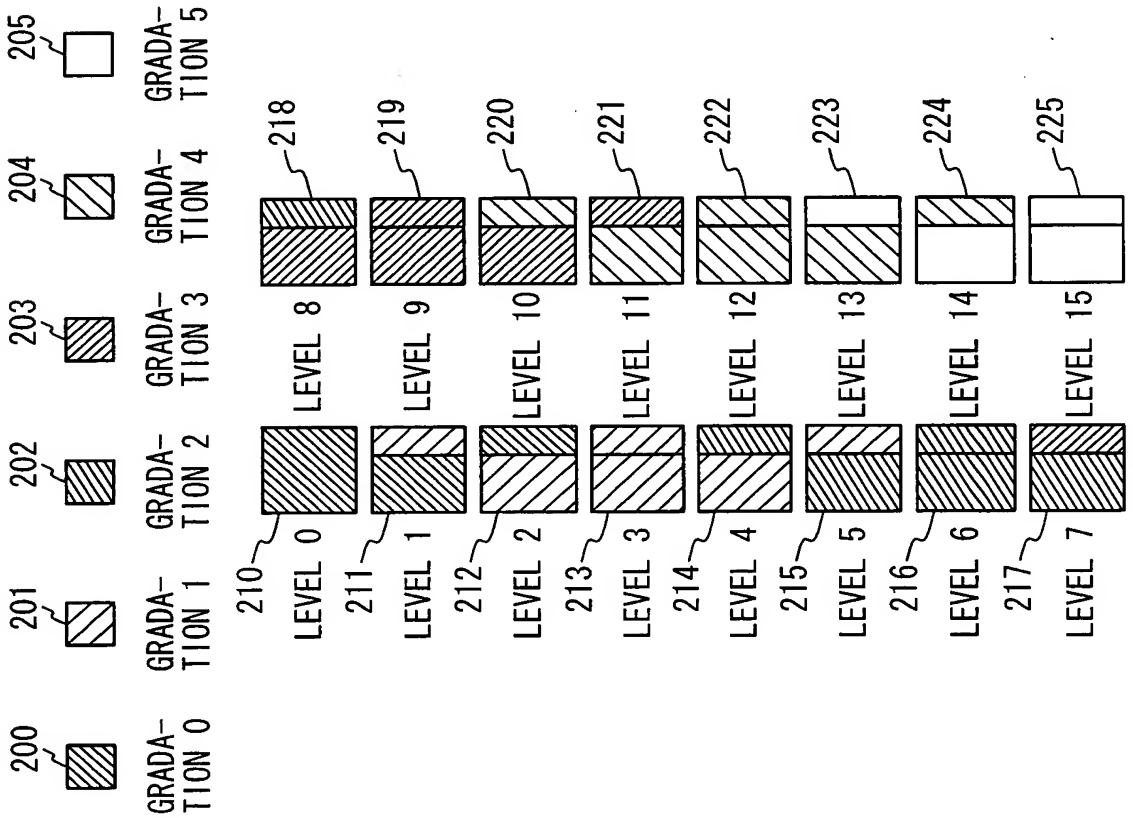


Fig. 7B

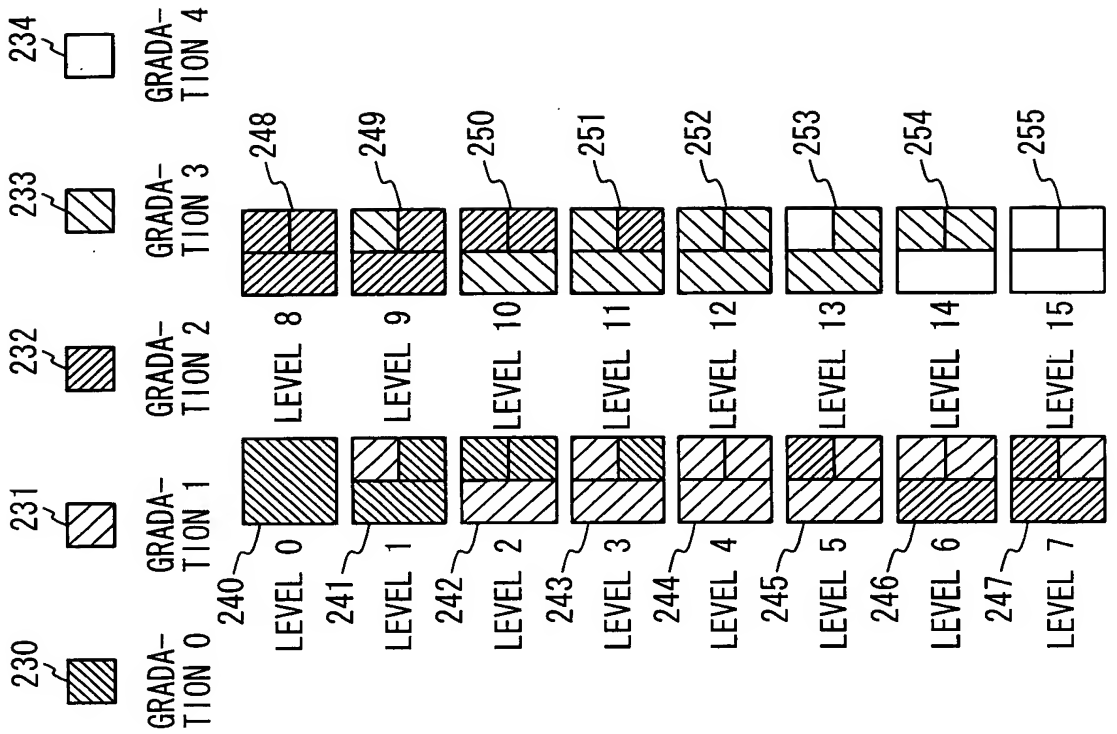


Fig. 8A

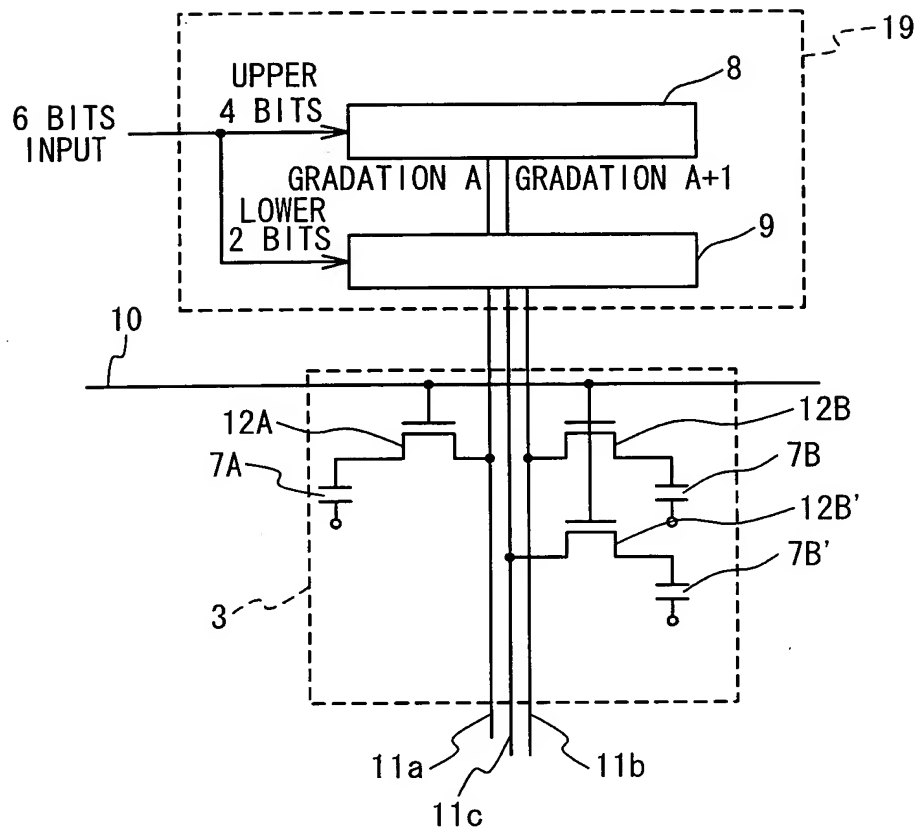


Fig. 8B

OUTPUT			
AREA RATIO	2	1	1
LOWER 2 BITS	SUB-PIXEL 7A	SUB-PIXEL 7B	SUB-PIXEL 7B'
00	A	A	A
01	A	A+1	A
10	A+1	A	A
11	A+1	A+1	A

Fig. 9

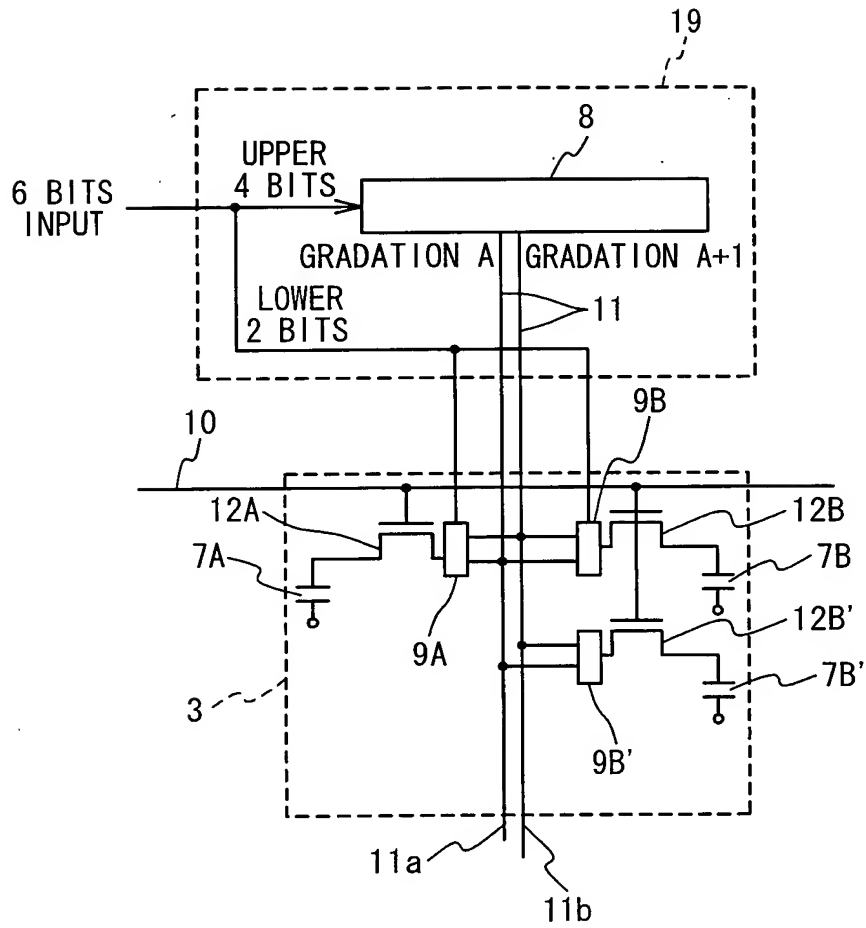


Fig. 10A

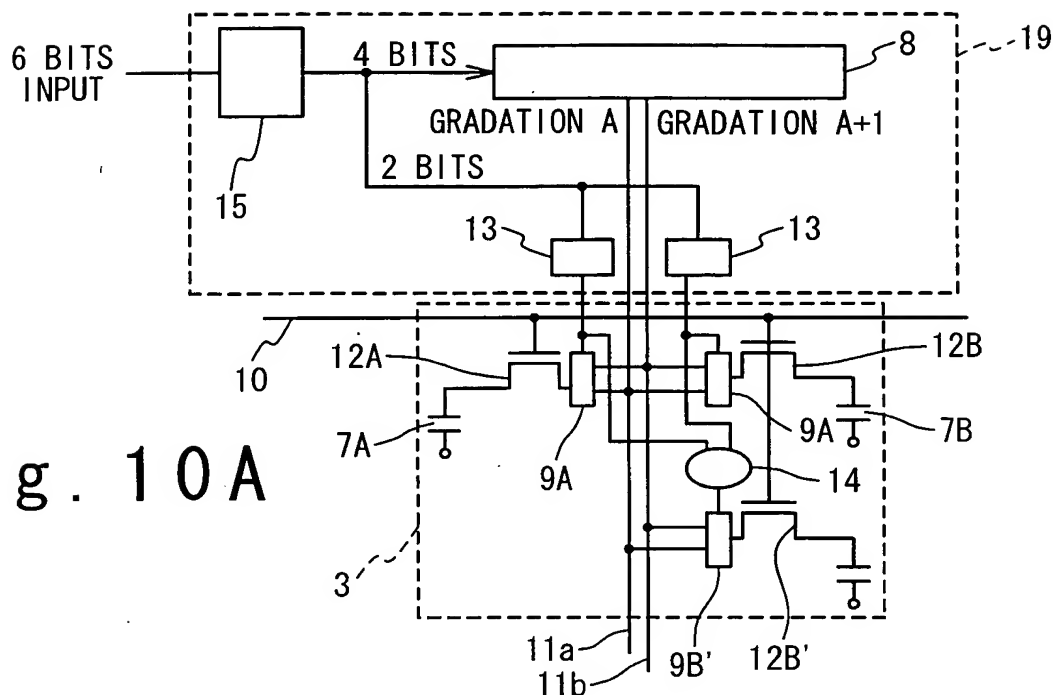


Fig. 10B

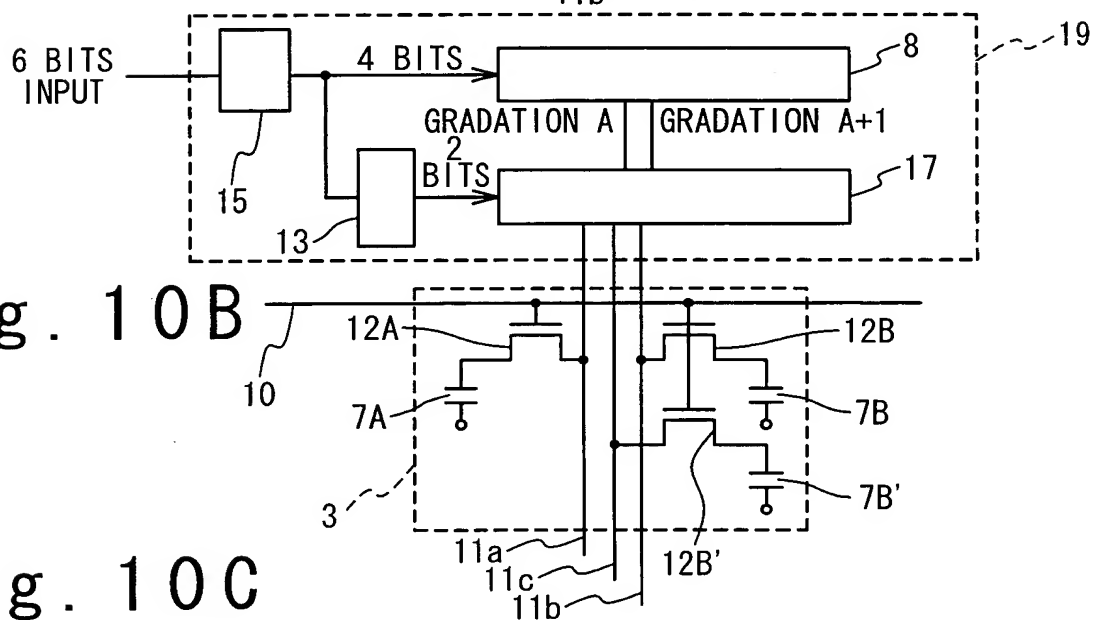


Fig. 10C

OUTPUT				PIXEL OUTPUT
AREA RATIO	2	:	1 : 1	
UPPER 2 BITS	SUB-PIXEL 7A	SUB-PIXEL 7B	SUB-PIXEL 7B'	
00	0	0	0	0
01	0	1	0	1/4
10	1	0	0	2/4
11	1	1	1	1

Fig. 11

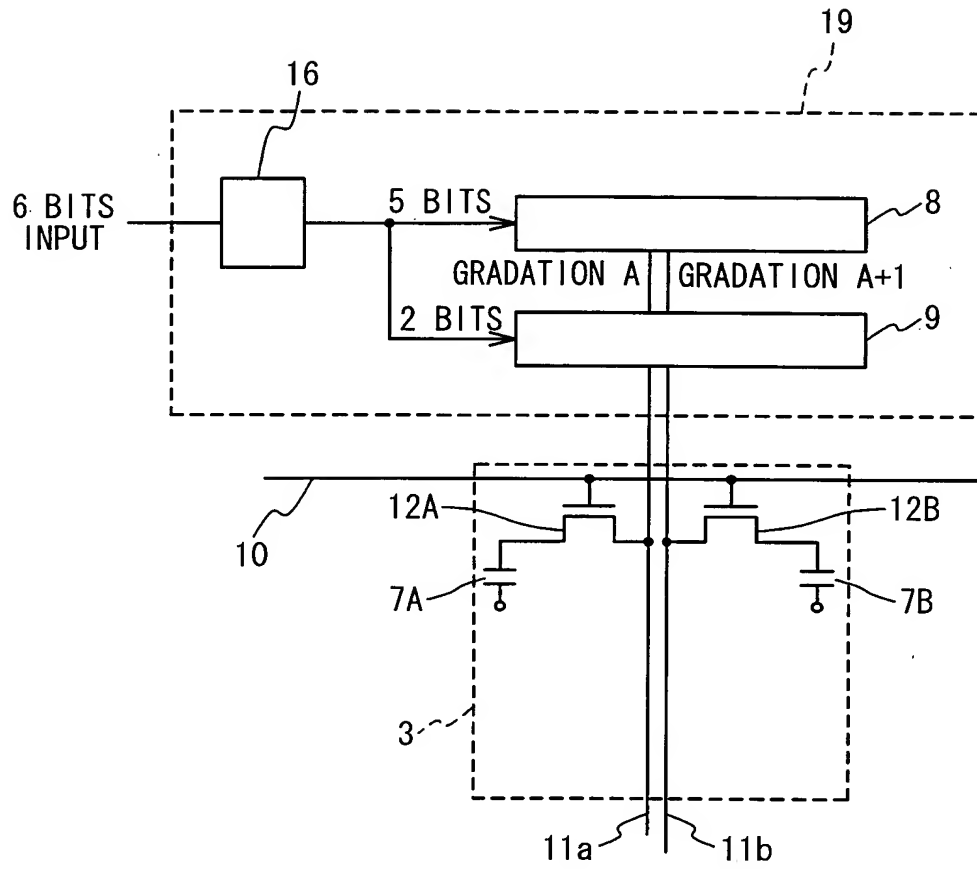


Fig. 12A

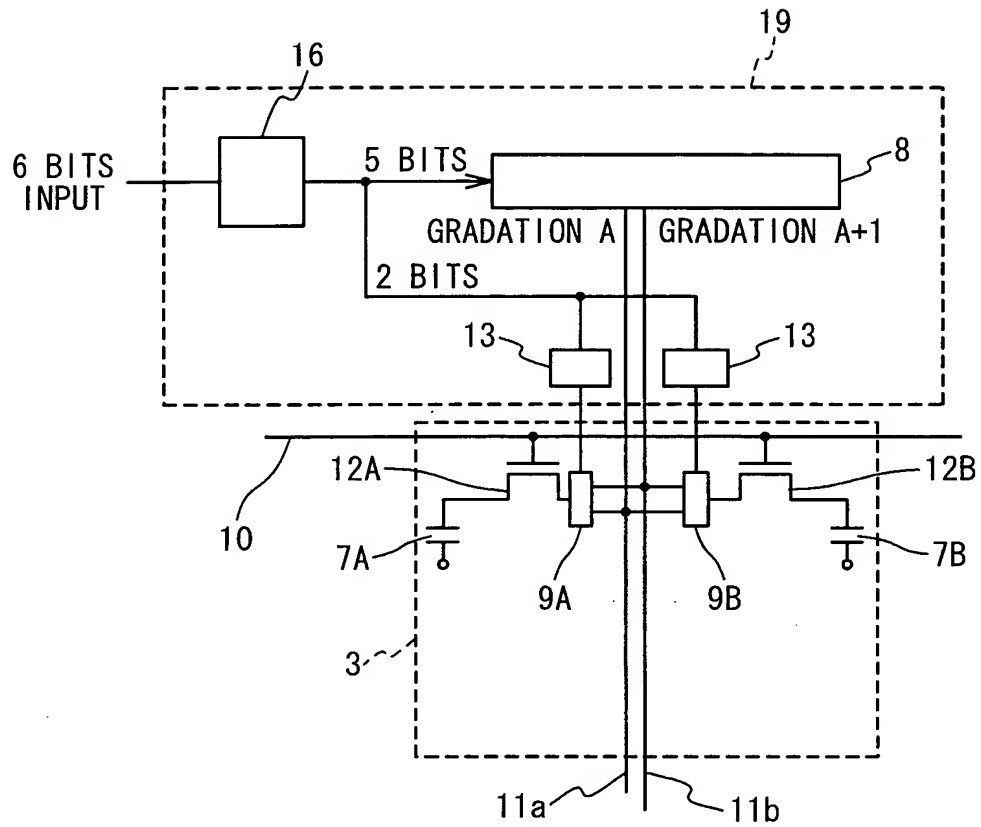


Fig. 12B

OUTPUT			PIXEL OUTPUT
AREA RATIO 2 : 1			
UPPER 2 BITS	SUB-PIXEL 7A	SUB-PIXEL 7B	
00	0	0	0
01	0	1	1/3
10	1	0	2/3
11	1	1	1

Fig. 13A

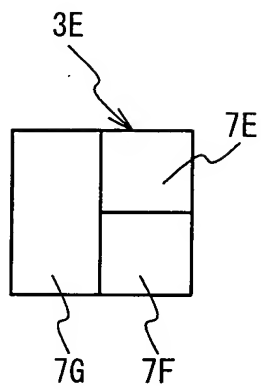


Fig. 13B

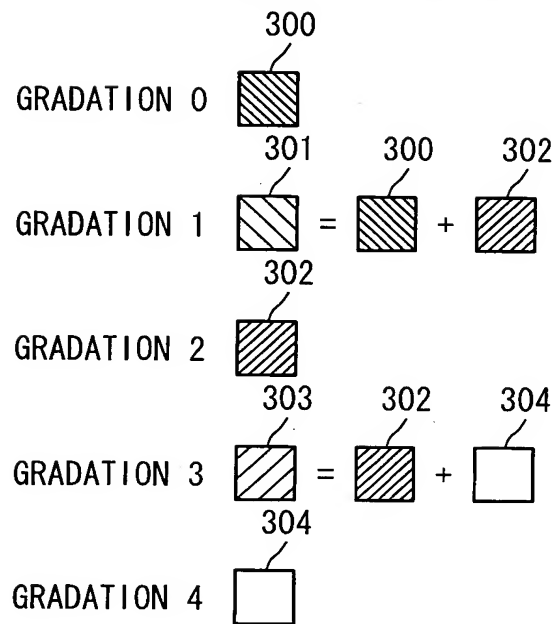
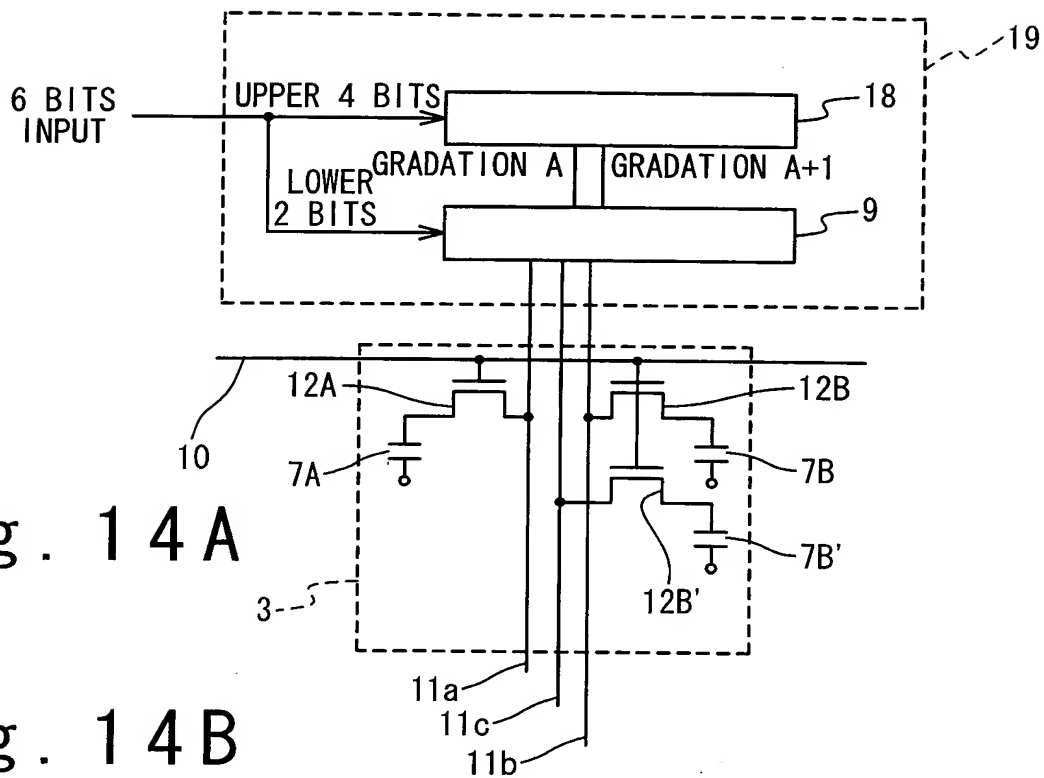


Fig. 14A

Fig. 14B



INPUT	OUTPUT			
	GRADATION A		GRADATION B	
UPPER 4 BITS	FRAME 1/2	FRAME 2/2	FRAME 2/2	FRAME 2/2
0000	0	0	0	1
0001	1	0	1	1
0010	1	1	1	2
0011	2	1	2	2
0100	2	2	2	3
0101	3	2	3	3
0110	3	3	3	4
0111	4	3	4	4
1000	4	4	4	5
1001	5	4	5	5
1010	5	5	5	6
1011	6	5	6	6
1100	6	6	6	7
1101	7	6	7	7
1110	7	7	7	8
1111	8	7	8	8

Fig. 15

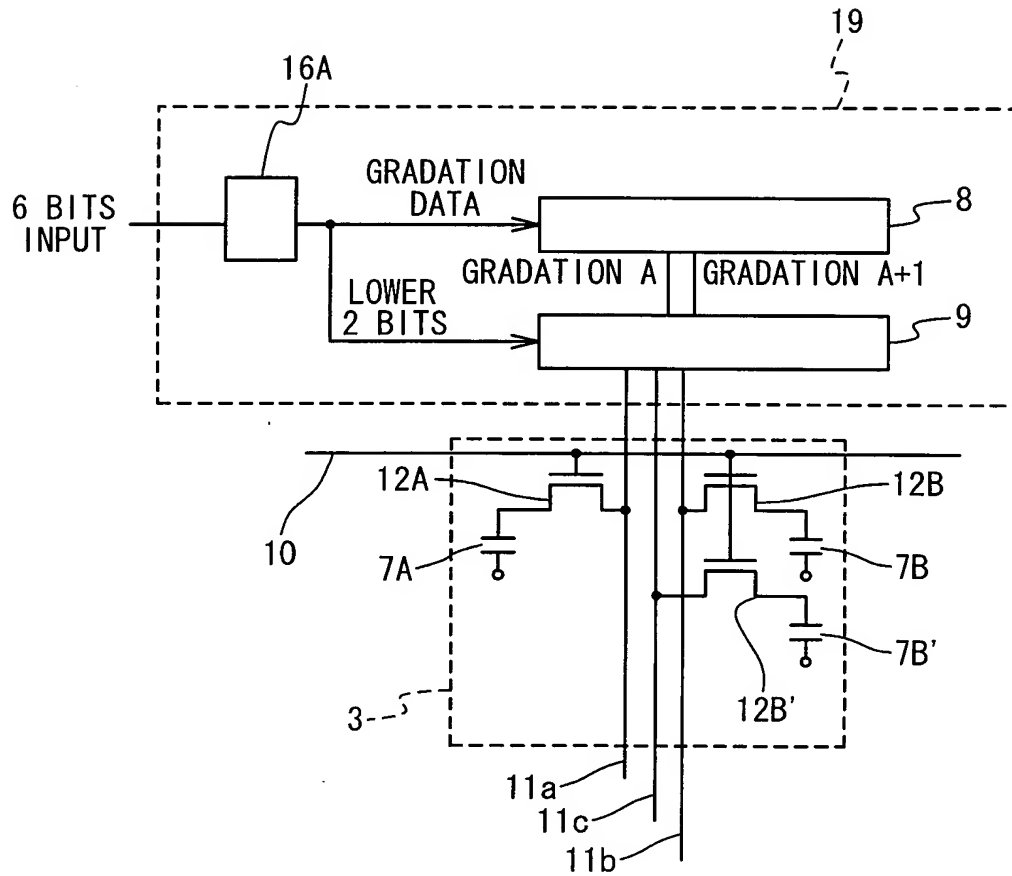


Fig. 16

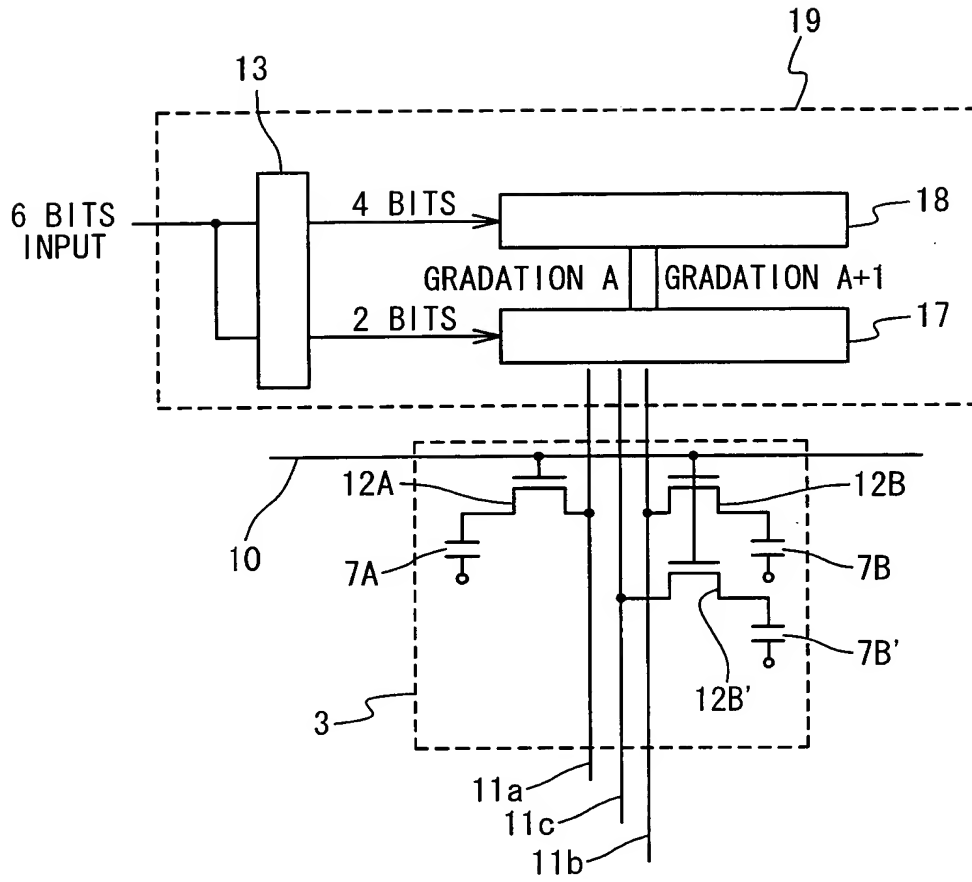


Fig. 17B

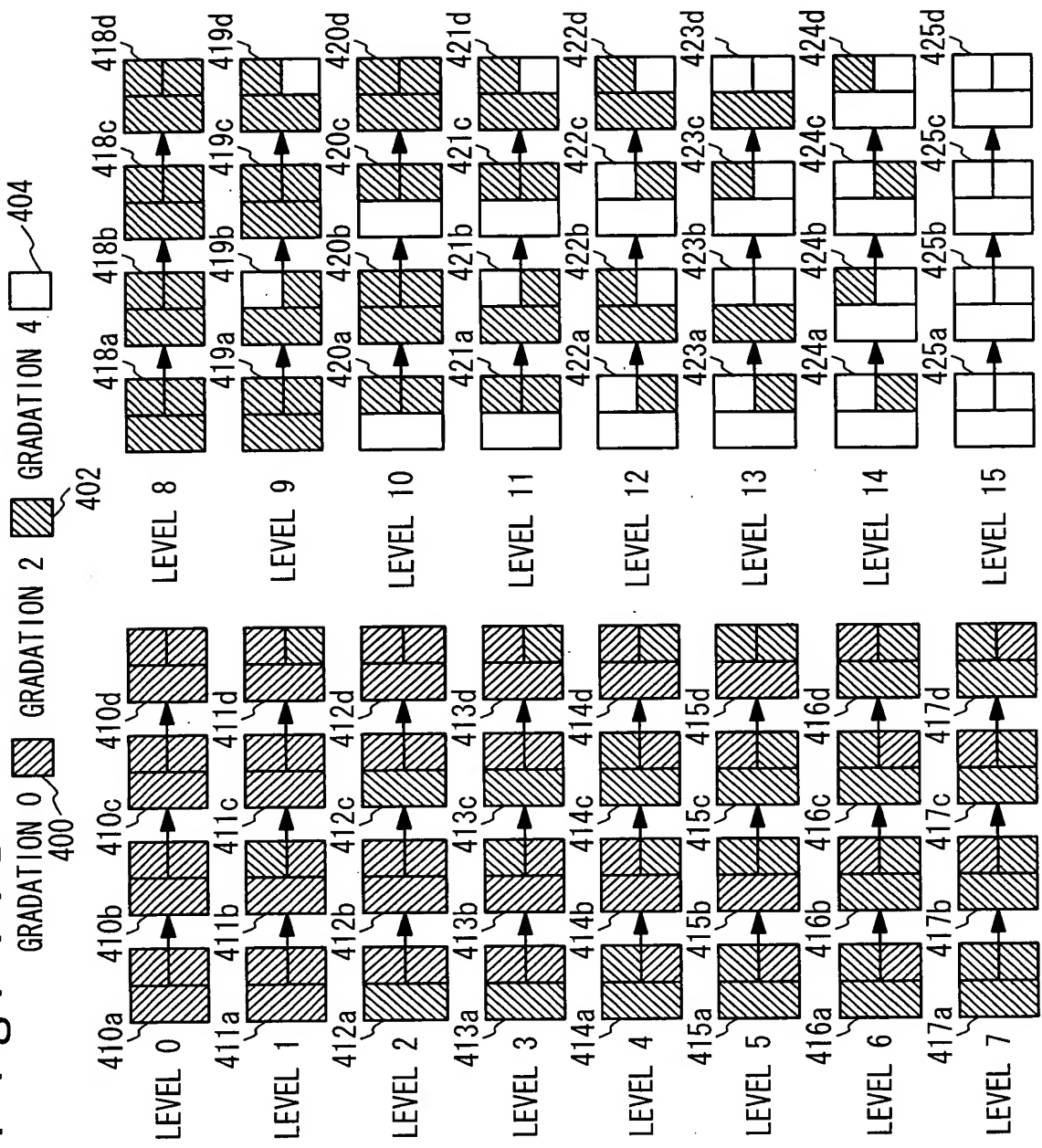
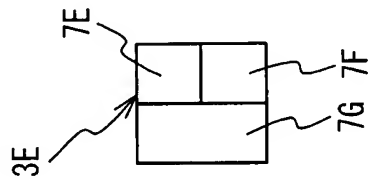


Fig. 18

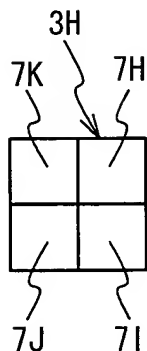


Fig. 19A
PRIOR ART

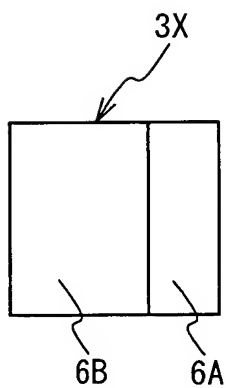
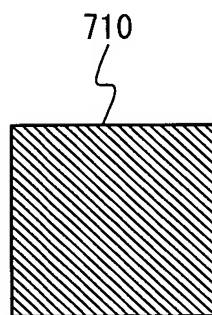
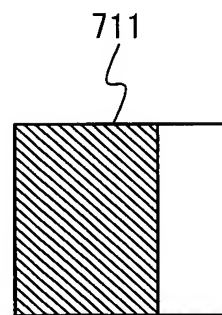


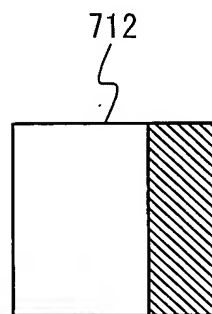
Fig. 19B
PRIOR ART



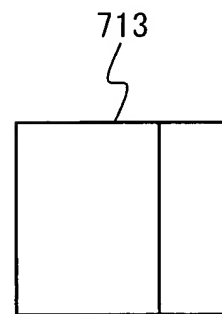
LEVEL 0



LEVEL 1



LEVEL 2



LEVEL 3

Fig. 20 PRIOR ART

